

MADAN, MOSSMAN & SRIRAM, P.C.
ATTORNEYS AT LAW
2603 AUGUSTA DRIVE, SUITE 700, HOUSTON, TX 77057-5640
TELEPHONE: (713) 266-1130 • FACSIMILE: (713) 266-8510

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TO: Commissioner for Patents
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FACSIMILE NO.: (571) 273-8300
FROM: Margaret A. Pruitt for Paul S. Madan Reg. No. 33,011
REFERENCE: Serial No.: 10/678,569
Atty. Docket No. 564-24872-US
Deposit Account: 02-0429(564-24872-US)

NUMBER OF PAGES INCLUDING THIS COVER SHEET: 14

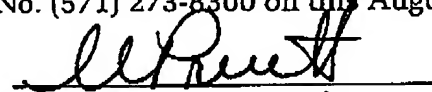
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Enclosed are the following documents for filing:

1. Response to Office Action dated May 25, 2006.

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Margaret A. Pruitt

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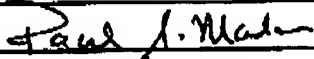
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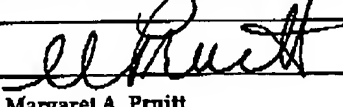
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/678,569
	Filing Date	October 3, 2006
	First Named Inventor	Joachim Oppelt
	Art Unit	3672
	Examiner Name	Kenneth L. Thompson
	Attorney Docket Number	564-24872-US
Total Number of Pages in This Submission		14

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input checked="" type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Applicant submits a Response to the Office Action dated May 25, 2006.
Remarks The Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 02-0429 (564-24872-US).		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Madan, Mossman & Sriram P.C.		
Signature			
Printed name	Paul S. Madan		
Date	August 25, 2006	Reg. No.	33,011

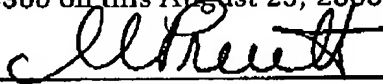
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Typed or printed name	Margaret A. Pruitt	Date	August 25, 2006

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Margaret A. Pruitt**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

RE: Joachim Oppelt

Serial No: 10/678,569

Filed: October 3, 2003

Title: High Data Rate Borehole
Telemetry System§
§
§
§
§
§
§
§

Docket No: 564-24872-US

Art Unit: 3672

Examiner: Kenneth L. Thompson

Confirmation No.: 2294

RESPONSE TO NON-FINAL OFFICE ACTION OF MAY 25, 2006

This is a response to the Non-Final Office Action of May 25, 2006. No new matter has been added by this amendment. Reconsideration of the application as amended below is respectfully requested.

Amendments to the claims begin on page 2.

Remarks begin on page 10.

The Conclusion begins on page 11.